भारतीय मानक

Indian Standard

IS 3785 : 2023

विकेट कीपिंग दस्ताने — विशिष्टि

(दूसरा पुनरीक्षण)

Wicket Keeping Gloves — Specification

(Second Revision)

ICS 97.220.40

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January 2023 **Price Group 5**

Sports Goods Sectional Committee, PGD 41

FOREWORD

This Indian Standard (Second Revision) has been adopted by the Bureau of Indian Standards after the draft is finalized by the Sports Goods Sectional Committee had been approved by the Production and General Engineering Division Council.

This standard was first published in 1966 and subsequently revised in 1983. The first revision was taken up to incorporate certain modifications brought to the notice of the sectional committee while implementing the Indian Standard.

The second revision of this standard has been brought out to keep pace with the latest technological developments and international practices. In this revision, the following major changes have been made:

a) Material clause has been updated;
b) Different sizes of gloves have been incorporated; and
c) Construction and workmanship clause has been updated.

The composition of the Committee, responsible for the formulation of this standard is given at Annex B.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’.

Indian Standard

WICKET KEEPING GLOVES — SPECIFICATION

(Second Revision)

1 SCOPE

This standard covers materials, dimensional, and constructional requirements for wicket keeping gloves.

2 REQUIREMENTS

2.1 Materials

2.1.1 Material specification shall conform to Table 1.

Table 1 Materials for Manufacture of Wicket Keeping Gloves
(*Clause* 2.1)

Sl No.	Item	Material	Requirements
(1)	(2)	(3)	(4)
i)	Back and palm, including cuff	Coated fabric, leather or any combination thereof.	Leather shall be chrome or semi chrome, tanned and non-toxic. Smooth side and buff side both can be used. Synthetic faux-pa leather can be breathable or non-breathable. The thickness of leather shall be minimum of 0.6 mm.
ii)	Palm padding	Carded cotton, carded synthetic fiber, synthetic foams or any combination thereof.	It shall be filled either with kapok cotton, carded fabric yarn or synthetic foam, either singly or in combination with either silicone gel, PU foam, EPE foam or EVA foam.
iii)	Palm portion including fingers	Sheet made of natural or synthetic rubber or silicone gel sheet having raised pattern/dots.	It shall be pasted onto ergonomically padded cupped palm. Palm sheet shall be hammered hard to bond with exact contours of cupped profile. The thickness shall be a minimum of 0.8 mm. It shall be removable without tearing the palm to replace with a fresh sheet when worn out with usage.
iv)	Palm side cuff Padding	Carded cotton, carded synthetic fiber, synthetic foams or any combination thereof.	It shall be filled either with kapok cotton, carded fabric yarn or synthetic foam, either singly or in combination with either PU foam or EPE foam, or EVA foam.
v)	Protection in Finger rolls	Coated Fabric, leather or any combination thereof.	Ambidextrous gloves (no right or left hand) Protection only at fingertips, all fingers including thumb. The rubber thimble having foam pads at the tip to absorb direct ball impacts to the fingertips.

2.1.2 *Thread*

The thread for stitching of gloves shall be polyamide or cotton core spun having the following requirements:

a) Tkt – 36
b) Nominal count and construction – N_m 36/3, Z/Finishing twist
c) Finish – Glaze
d) Single thread breaking load, *min* – 3 kg

2.2 Dimensions

The dimension for wicket keeping gloves are optional and Fig. 1 is for guidance only. The recommended sizes for wicket keeping gloves are given below:

Size	*Palm Dimension, mm*
Adult	220 to 230
Small Adult	210 to 220
Youth	190 to 200
Junior	175 to 180
Small Junior	170 to 175

3 CONSTRUCTION AND WORKMANSHIP

Wicket keeping gloves shall be well made and one each for right and left hand.

3.1 The finger joints shall be such as to allow the player freedom of movement of the fingers.

Between the thumb and the fore-finger a leather, PVC, or PU joining web shall be provided. Inside the fingers, rubber thimble having foam pads at the tip to absorb direct ball impacts shall be provided.

3.2 The front cuff portion shall be padded with kapok cotton, carded fabric yarn or synthetic foam, either singly or in combination with either PU foam, EPE foam or EVA foam.

3.3 The stitching shall be strong and the general workmanship shall be of good quality.

3.4 The gloves shall be comfortable to wear and the palm portion shall be padded with kapok cotton, carded fabric yarn or synthetic foam, either singly or in combination with either silicone gel, PU foam, EPE foam or EVA foam and made hollow so as to provide good catch when receiving the ball. The palm portion may be faced with sheet made of natural or synthetic rubber and/or silicone gel having raised pattern/dots with thickness between 1.5 mm to 2 mm.

3.5 The gloves shall have no webbing between the fingers except joining the index finger and thumb, where webbing may be inserted as a means of support. The webbing shall be a single piece of non-stretch material which, although it may have facing material attached, shall have no reinforcements or tucks. The top edge of the webbing shall not protrude beyond the straight line joining the top of the index finger to the top of the thumb and shall be taut when a hand wearing the glove has the thumb fully extended.

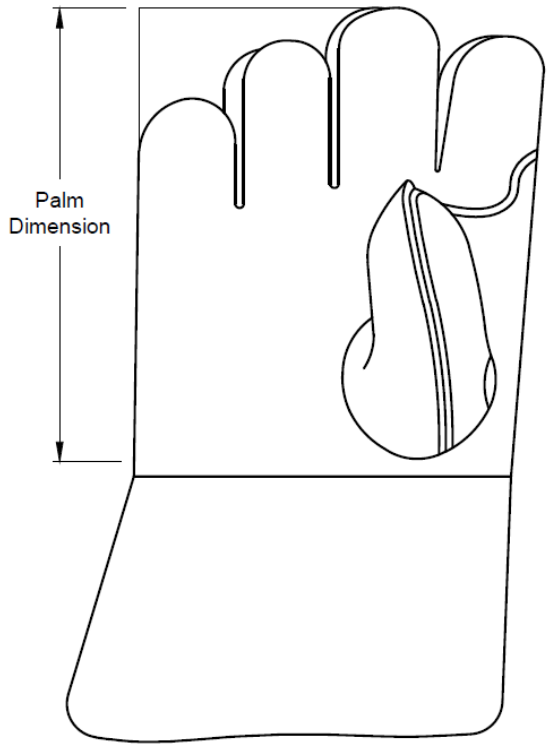

FIG. 1 WICKET KEEPING GLOVES

4 SAMPLING

Sampling and criteria for acceptance for wicket keeping gloves shall be as agreed to between the purchaser and the supplier. A recommended scheme for the same is given in Annex A.

5 PACKING AND MARKING

5.1 Packing

Wicket keeping gloves shall be manufactured, stored, and sold in pairs. Labeling to be strictly in accordance with prevailing Legal Metrology Act. Where applicable, packaging material to follow parameters in compliance with applicable state laws in the product is being sold.

5.2 Marking

5.2.1 Each hand of wicket keeping gloves shall be marked with the followings:

a) Legibly and indelibly marked with the manufacturer's registered and trademarked logo.
b) Model name.

5.2.2 *BIS Certification Marking*

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act*, 2016 and the Rules and Regulations framed thereunder, and the product(s) may be marked with the standard mark.

ANNEX A
(*Clause* 4)

RECOMMENDED SAMPLING SCHEME AND CRITERIA FOR CONFORMITY FOR WICKET KEEPING GLOVES

A-l LOT

All pairs of wicket keeping gloves of the same model having the same pattern and size manufactured from the same raw materials shall be permitted to have a size variation of ± 5 percent constitute a lot.

A-2 SELECTION OF SAMPLE

The number of pairs of wicket keeping gloves to be selected at random for inspection shall be in accordance with col 2 and 3 of Table 2.

Table 2 Number of Pairs of Wicket Keeping Gloves to be Selected and Permissible Number of Defective Pairs
(*Clause* A-2 *and* A-3)

Sl No.	Number of Pairs of Wicket Keeping Gloves in the Lot	Number of Pairs of Wicket Keeping Gloves to be Selected in the Sample	Permissible Number of Defective Pairs
(1)	(2)	(3)	(4)
i)	Up to 25	3	0
ii)	26 to 50	5	0
iii)	51 to 100	8	1
iv)	101 to 150	13	1
v)	151 to 300	20	2
vi)	301 to 500	32	3
vii)	501 and above	50	4

A-3 NUMBER OF TESTS AND CRITERIA FOR CONFORMITY

Each pair of wicket keeping gloves selected in accordance with **A-2** and Table 2, shall be inspected for conformity of materials, workmanship, and dimensions within permissible limits. A pair shall be considered defective if it fails to satisfy any one or more of the requirements of the specification. Each piece is individually handmade, any above non-conformance in most, if not all cases, is fully rectifiable. Once identified and rectified, the lot shall be declared as conforming to the requirements of this specification if the number of defective pairs falls within the corresponding permissible number of defective pairs given in col 4 of Table 2.

ANNEX B
(*Foreword*)

COMMITTEE COMPOSITION

Sports Goods Sectional Committee, PGD 41

Organization	*Representative(s)*
Sports Goods Export Promotion Council	SHRI TARUN DEWAN (***Chairperson***)
All India Lawn Tennis Association, New Delhi	SHRI NAR SINGH
Anand & Anand	SHRI ASHISH ANAND
Athletic Federation of India	SHRI SANDEEP MEHTA SHRI GOPALA KRISHNAN (*Alternate*)
Central Institute of Plastics Engineering & Technology (CIPET), Murthal	DR S. N. YADAV
COSCO India Pvt. Ltd, Gurgaon	SHRI PANKAJ JAIN SHRI NARINDER JAIN (*Alternate*)
Director Equipment Sports Authority of India, New Delhi	SHRI ROQUE DIAS
Freewill Sports Pvt. Ltd., Jalandhar	SHRI RAJESH KHARBANDA
Government e Market Place, New Delhi	SHRI N. K. MALHOTRA
Gymnastic Federation of India, Mumbai	SHRI RIAZ BHATI
Hockey India	COMMANDER R K SRIVASTAVA
Micro, Small and Medium Enterprises, Technology Development Centre, New Delhi	SHRI V. K. SINGH
NELCO (India) Pvt Ltd, Meerut	SHRI AMBER ANAND
Office of Development Commissioner (MSME), Delhi	SHRI SUNIL GUPTA
Premier Enterprises, Meerut	SHRI SUMESH AGARWAL SHRI KSHITIJ AGARWAL (*Alternate*)
Process Cum Product Development Centre, Meerut	SHRI SUNIL GUPTA
Ranson Sports Industry, Jalandhar	SHRI ARVIND SINGH RANA
Sanspareils Greenlands Pvt. Ltd., Meerut	SHRI PUNEET ANAND ALOK MISHRA (*Alternate*)

Shri ram Institute For Industrial Research, Delhi	DR VINAY TYAGI
Soccer International Pvt Ltd, Jalandhar	MS SHAALINI GUPTA
Softball Association of India	MS SHIBANI TAGORE
Sports Goods Manufacturers and Exporters Association (SGMEA), Jalandhar	MS HARSHITA
Sports Line, New Delhi	SHRI OJASVI NAGPAL
Stag International Sports, Meerut	SHRI RAKESH KOHLI SHRI VIVEK KOHLI (*Alternate*)
Universal Sports, Jalandhar	SHRI MAHESH CHADHA
Vats Sports, Meerut	SHRI LOKESH VATS
Voluntary Organisation In Interest Of Consumer Education (Voice), New Delhi	SHRI M. A. U. KHAN
BIS Directorate General	SHRI R. R. SINGH, SCIENTIST 'E'/DIRECTOR AND HEAD (PRODUCTION AND GENERAL ENGINEERING), [REPRESENTING DIRECTOR GENERAL (*Ex-officio*)]

MEMBER SECRETARY
SHRI AJAY KUMAR
SCIENTIST 'B'/ASSISTANT DIRECTOR
(PRODUCTION AND GENERAL ENGINEERING), BIS

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Bureau of Indian Standards

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